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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,012	10/03/2003	Nicholas M. Cordaro	SEA1-N53a	8925
7590 Harold L. Jackson Jackson Law Corporation Ste. N 14751 Plaza Dr. Tustin, CA 92780		12/28/2006	EXAMINER SWIGER III, JAMES L	
			ART UNIT 3733	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	12/28/2006	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)
	10/679,012	CORDARO, NICHOLAS M.
	Examiner James L. Swiger	Art Unit 3733

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 13 October 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-26,29 and 30 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-26,29 and 30 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 10/3/2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-26, and 29-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lowery et al. (US 5,364,399) in view of Ralph (US 5,683,393) and Richelsoph et al. (US Patent 6,695,846). Lowery et al. disclose a plating system having a plate (see fig. 1) with at least one opening therein (50), with a width (w1) for receiving the head section of a cervical screw (51) and wherein the lower section has a width that is lower than the initial upper section of w1 (see side profile in Fig. 3), a bone screw (63), that has an upper diameter of d1 (top of the screw head), a neck diameter d2 (just below the mid crown of the screw head) and has a third smaller diameter d3 with a threaded screw portion (63) that once fully threaded into the plate may be rotated relative to the plate, the interface of the two being capable of causing no axial movement between the screw and the plate. The plate also has a plurality of openings (see Fig. 1) and where d1 is approximately equal to w1 substantially to prevent the screw from pivoting to the plate. Also one of the openings is in the form of a rectangular slot (see slot proximal to 50) that has semicircular ends. Also, even though the screw

may be fixated relative to the slot or opening, the screw may still be rotated longitudinally without causing movement between the screw and the plate. Further, the taper of 50 and 51 is considered a chamfer along the generally straight section.

Lowery et al. disclose the claimed invention except for a helical thread that follows along a track. Ralph discloses a helical thread that is capable of being modified on the rectangular track of Lowery et al. to prevent cross-threading and to secure a screw in the bore (Col. 3, lines 40-45). It would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the device of Lowery et al. having at least a helical thread or track to better secure the screw in use of the device.

Lowery et al. disclose the claimed invention except for, more specifically a screw that may be removed from the plate only by reversing its rotation into at least a partial helical thread. Generally speaking "reversing into a thread" appears to be substantially similar to how screws are generally removed. Unscrewing is generally in the reverse, and it must be in contact with its respective thread to disconnect. Regardless, Richelsoph et al. disclose a ring (see Fig. 6A) that allows the screw to better fit into the helically threaded opening (see Col. 8). It would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the device of Lowery et al. having at least a ring to receive screws in a lower section of the plate in view of Richelsoph et al. to better secure the screw into the helical groove.

Allowable Subject Matter

Claims 8-10, 14, 19-22 and 24-26 are objected to as being dependent upon a

rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments filed 10/13/2006 have been fully considered but they are not persuasive.

With regards to the amendment directed the screw function, generally speaking, "reversing into a thread" appears to be substantially similar to how screws are generally removed. Unscrewing is generally in the reverse, and it must be in contact with its respective thread to disconnect. Thus, the function as recited would still be anticipated by Richelsoph et al.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

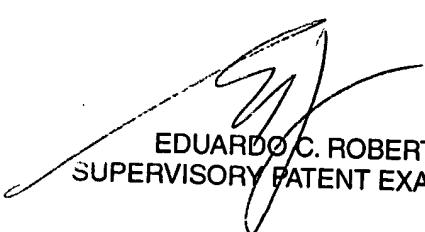
Any inquiry concerning this communication or earlier communications from the examiner should be directed to James L. Swiger whose telephone number is 571-272-5557. The examiner can normally be reached on Monday through Friday, 9:00am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eduardo Robert can be reached on 571-272-4719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



JLS



EDUARDO C. ROBERT
SUPERVISORY PATENT EXAMINER